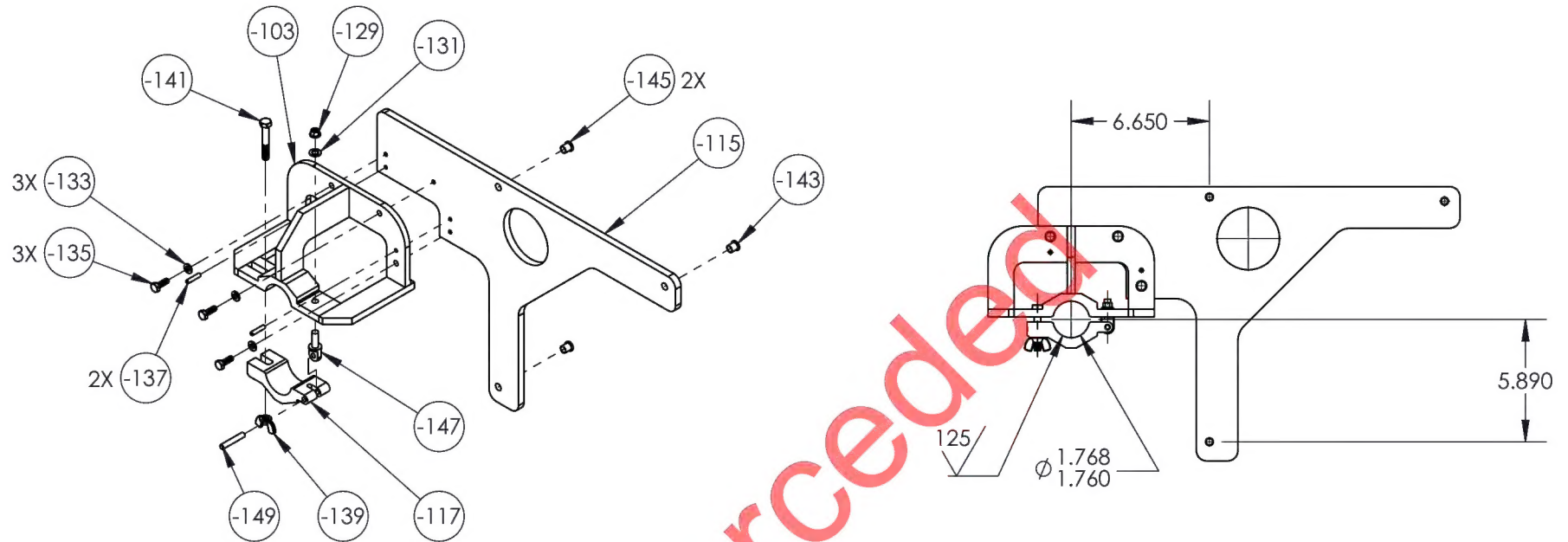


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		REDRAWN IN SOLIDWORKS FROM TATTERED DRAWING. -115 CH'D LIMIT DIM WAS Ø.1875-.1870 IS .1875-.1880.-117 CH'D DIM WAS 4X R.04 IS 4X R.13. -127 CH'D DIM WAS 2X R.06 IS 2X R.13.	6/16/2014	DPD	RJC
2	15-0197	-103 ADDED DIM (5.25). -115 ADDED ENGRAVE T/N, S/N, MADE IN USA NOTE.	8/5/2015	RJC	JAG



ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-103	1	SUPPORT ASSEMBLY			2
			-115	1	BASE	6061		3
			-117	1	CLAMP	6061		4
1			-119		BASE	6061		5
1			-121		ARM	6061		6
1			-123		ARM	6061		7
1			-125		ARM	6061		8
1			-127		HEAD	6061		9
		B/O	-129	1	NUT	STEEL	5/16-24 SPENCER #MS21042L5	1
		B/O	-131	1	WASHER	STEEL	Ø5/16 AIRCRAFT HARDWARE #AN960PD516	1
		B/O	-133	3	WASHER	STEEL	Ø1/4 AIRCRAFT HARDWARE #AN960PD416	1
		B/O	-135	3	BOLT	STEEL	1/4-20 AIRCRAFT HARDWARE #MS20074-04-06	1
		B/O	-137	2	DOWEL PIN	STEEL	Ø3/16 X 7/8 AIRCRAFT HARDWARE #MS16555-641	1
		B/O	-139	1	WING NUT	STEEL	5/16-24 AIRCRAFT HARDWARE #MS35426-29	1
		B/O	-141	1	BOLT	STEEL	5/16-24 AIRCRAFT HARDWARE #NAS6605-22	1
		B/O	-143	1	BUSHING	BRONZE	Ø3/8 O.D. AIRCRAFT HARDWARE #23-006C00-22-16	1
		B/O	-145	2	BUSHING	BRONZE	Ø3/8 O.D. AIRCRAFT HARDWARE #23-006C16-22-16	1
		B/O	-147	1	EYE BOLT	STEEL	5/16-24 AIRCRAFT HARDWARE #AN44-6	1
		B/O	-149	1	DOWEL PIN	STEEL	Ø1/4 X 1-1/2 AIRCRAFT HARDWARE #AN122721	1
	ASSY -103							

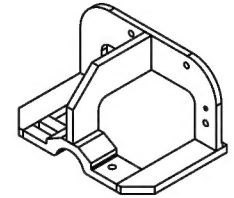
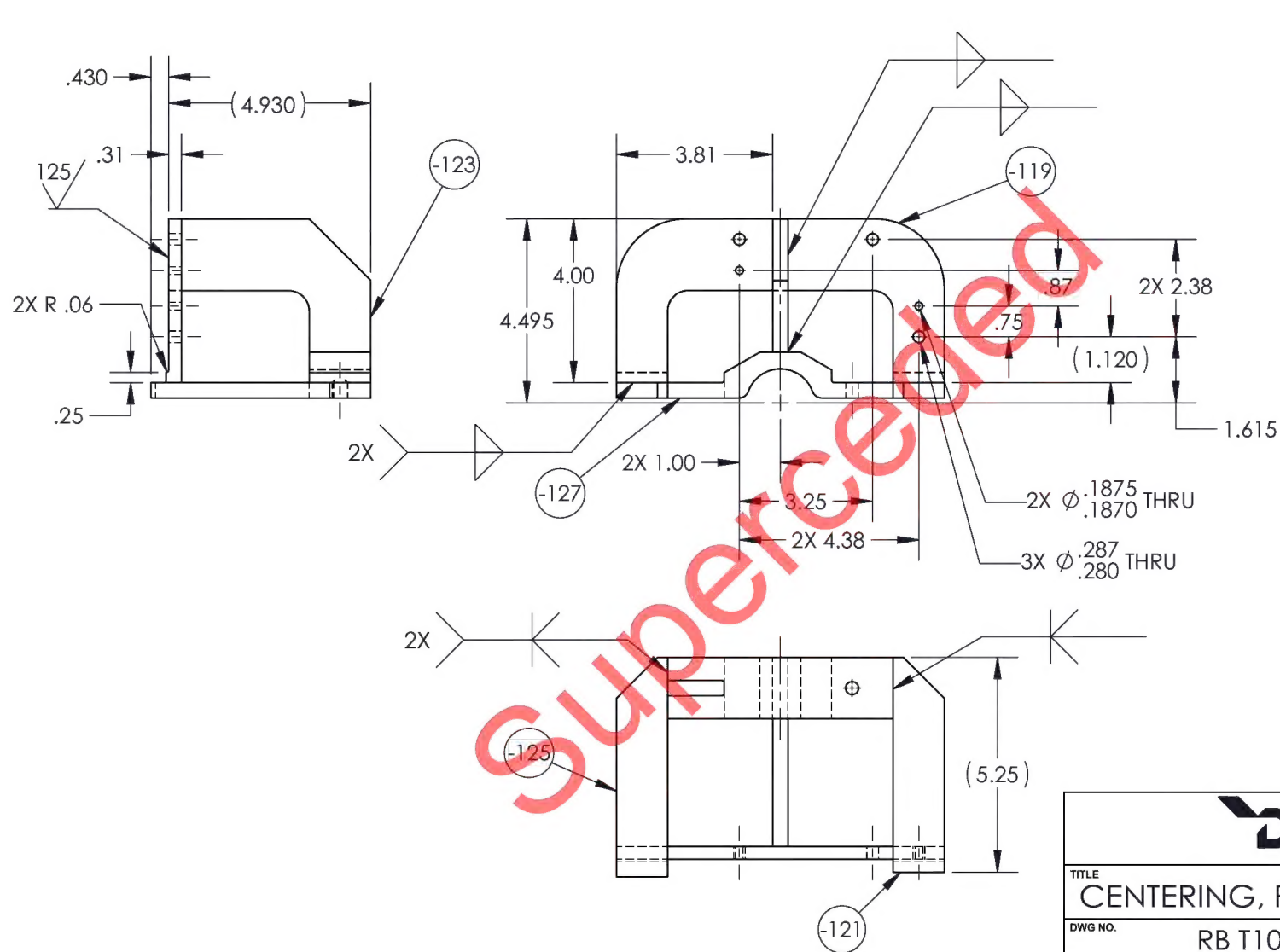
NOTE:  
REF. BELL T/N: T103347 REV A.



TITLE CENTERING, PILOTS CYCLIC STICK	
DWG NO. RB T103347-101	REV 2
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 .XX ± .03 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: DUERFELDT APPROVED: D Weil HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL BELL 412
SCALE 1:8	DATE 6/12/2014
SHEET 1 OF 9	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	15-0197	-103 ADDED DIM (5.25).	8/5/2015	RJC	JAG

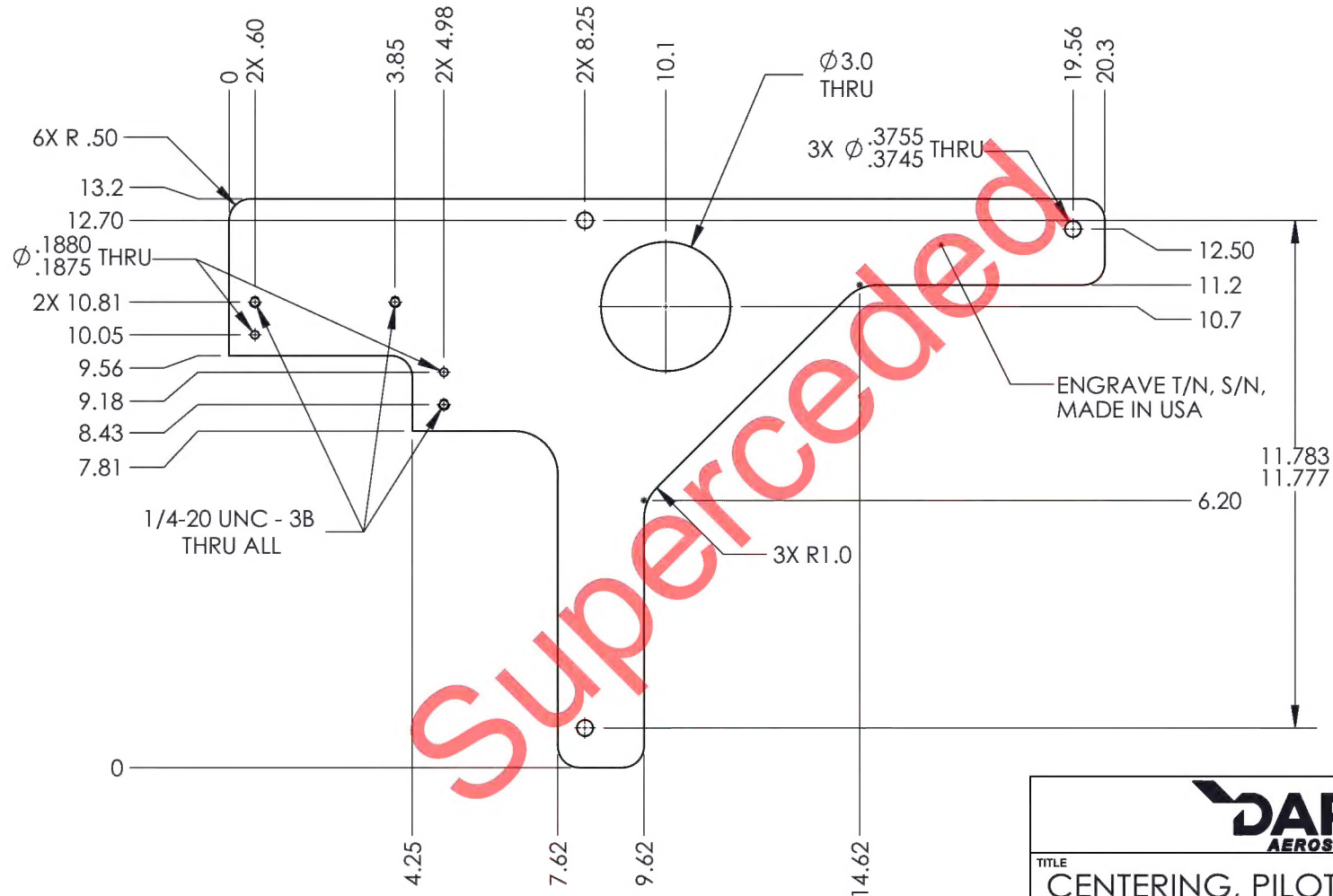


(-103)  
SUPPORT ASSEMBLY

<b>DART</b> AEROSPACE	
TITLE CENTERING, PILOTS CYCLIC STICK	
DWG NO. RB T103347-101-103	REV 2
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 .XX ± .03 .X ± .1	DRAWN BY: DUERFELDT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC CLASS 1A USED ON MODEL BELL 412
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE 6/12/2014
SHEET 2 OF 9	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
1		-115 CH'D LIMIT DIM WAS Ø.1875-.1870 IS .1875-.1880.	6/16/2014	DPD
2	15-0197	-115 ADDED ENGRAVE T/N, S/N, MADE IN USA NOTE.	8/5/2015	RJC
				JAG

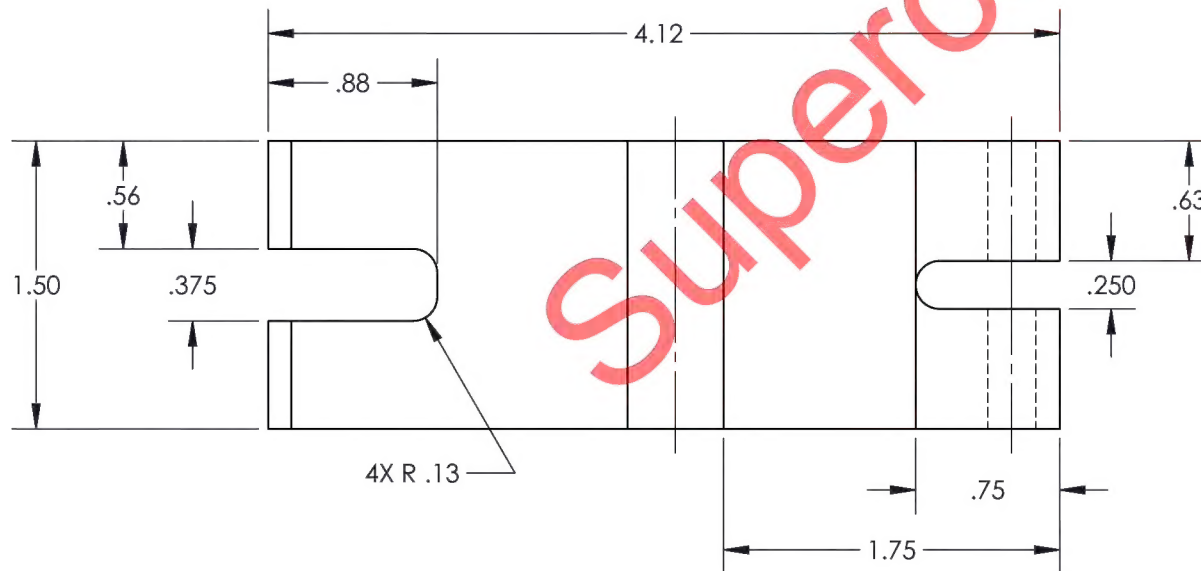
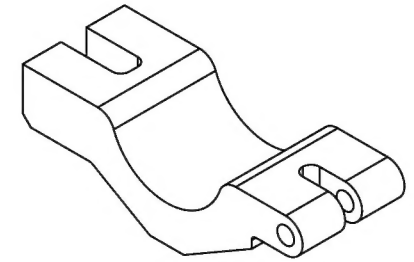
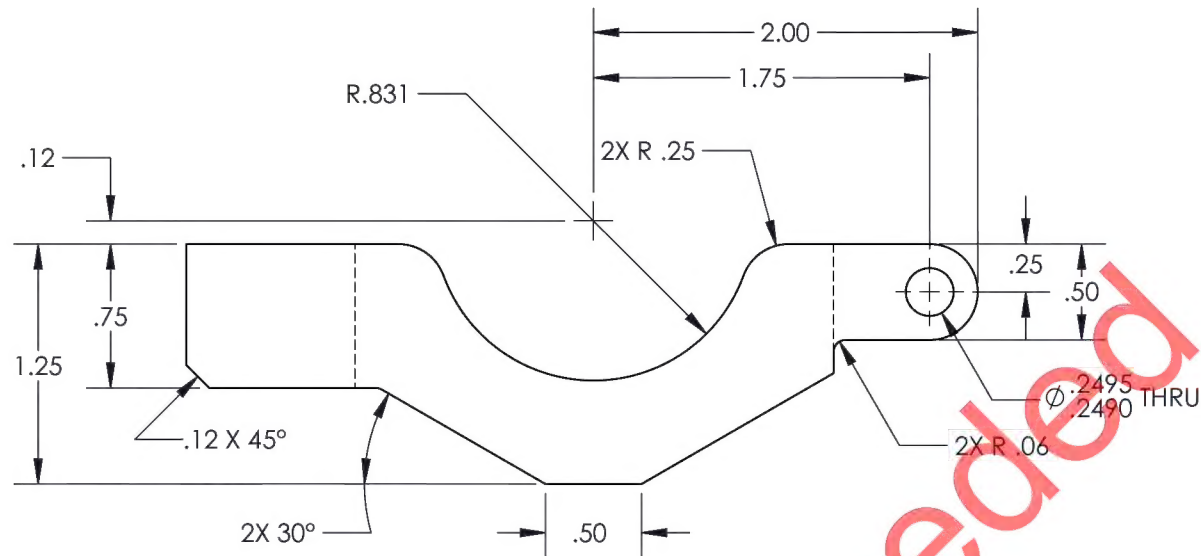


(-115)  
BASE

<b>DART AEROSPACE</b>	
TITLE <b>CENTERING, PILOTS CYCLIC STICK</b>	
DWG NO. <b>RB T103347-101-115</b>	REV <b>2</b>
MAT'L 6061	DRAWN BY: <b>DUERFELDT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <b>D Weil</b>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH
.X ± .1	CHEM FILM
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	CLASS 1A
	USED ON MODEL
	<b>BELL 412</b>
SCALE 1:4	DATE 6/12/2014
	SHEET 3 OF 9

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-117 CH'D DIM WAS 4X R.04 IS 4X R.13.	6/16/2014	DPD	RJC

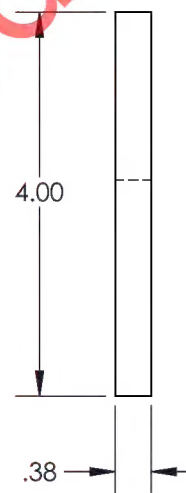
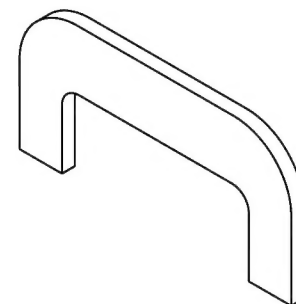
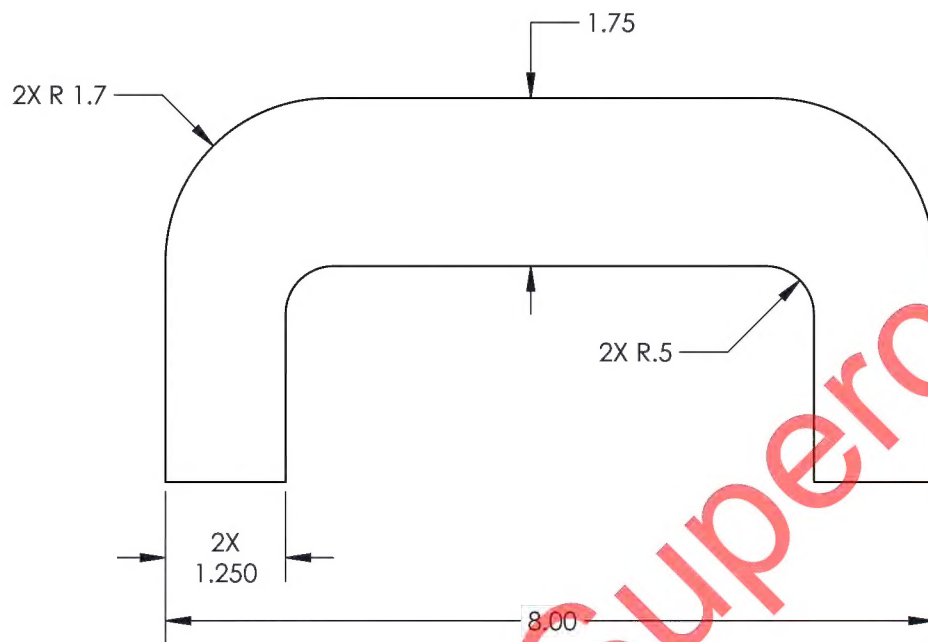


-117  
CLAMP

<b>DART</b> AEROSPACE	
TITLE CENTERING, PILOTS CYCLIC STICK	
DWG NO. RB T103347-101-117	REV 2
MAT'L 6061	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH
.X ± .1	CHEM FILM
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC CLASS 1A
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	BELL 412
SCALE 1:1	DATE 6/12/2014
	SHEET 4 OF 9

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL



-119

BASE



TITLE  
CENTERING, PILOTS CYCLIC STICK

DWG NO. RB T103347-101-119

REV  
2

MAT'L 6061

DRAWN BY: DUERFELDT

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

APPROVED

.XXX ± .010  
.XX ± .03  
.X ± .1

FRACTIONS ± 1/32  
ANGLES ± 5°

HEAT  
TREAT  
FINISH

SEE -103

1. BREAK ALL SHARP EDGES .015 x 45°  
OR .015R  
2. DIMENSIONAL LIMITS APPLY AFTER  
PLATING

SPEC

USED ON MODEL

BELL 412

SCALE 1:2

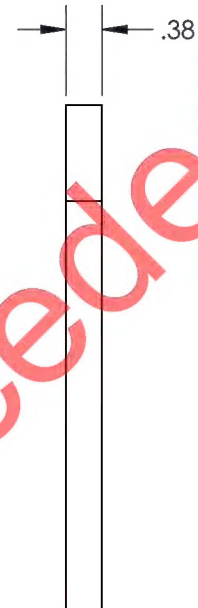
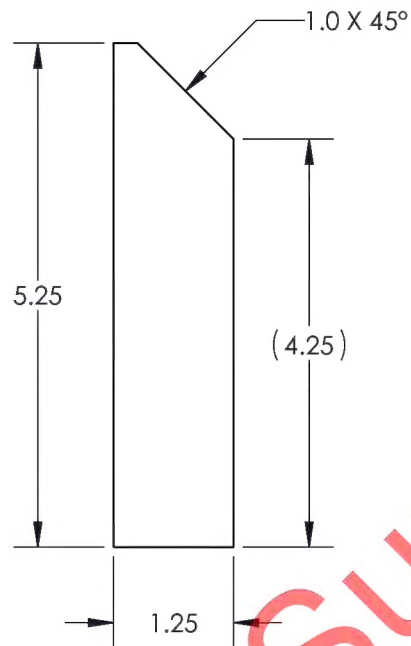
DATE 6/12/2014

SHEET 5 OF 9



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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



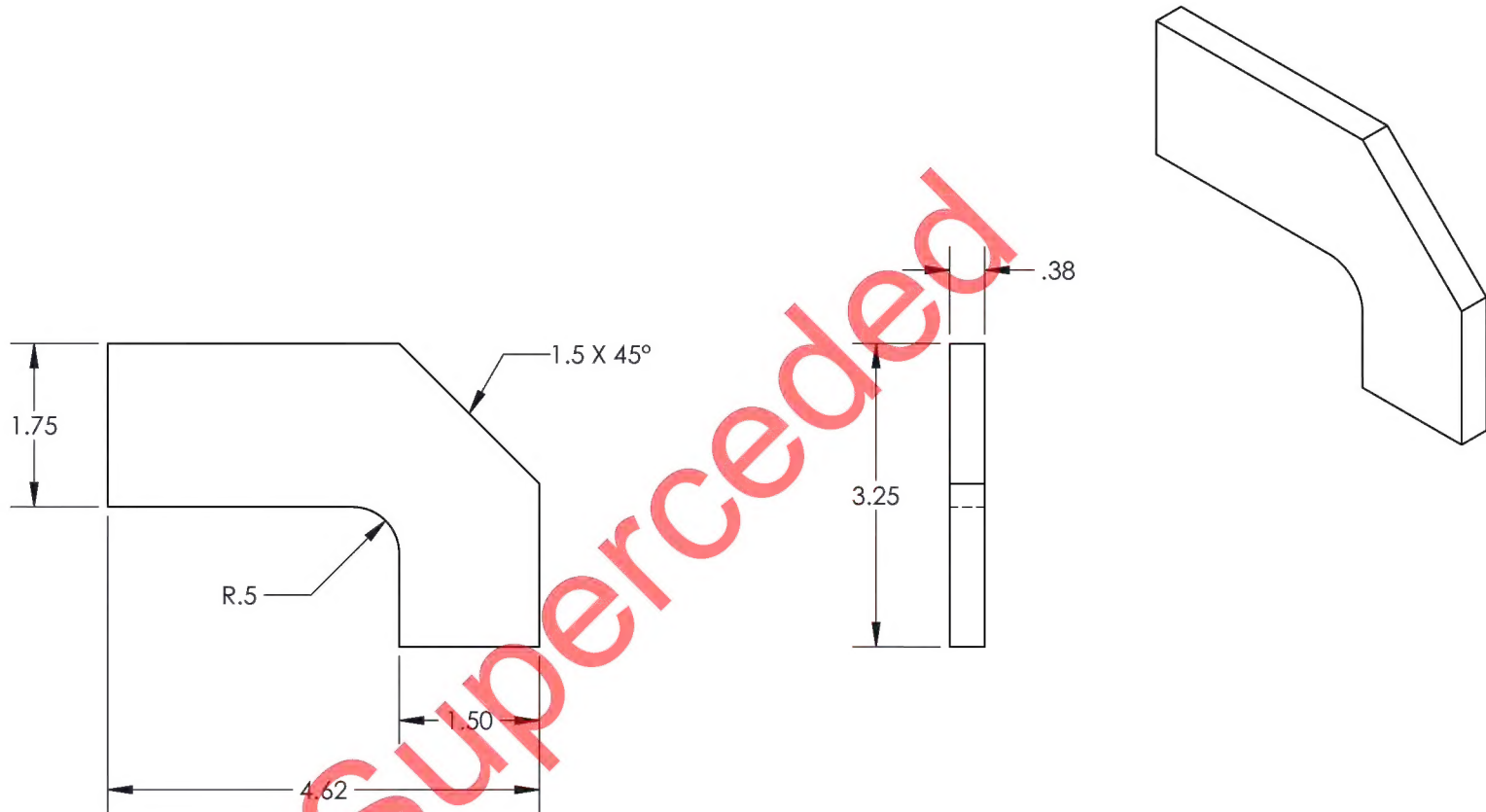
(-121)

ARM

<b>DART</b> AEROSPACE	
TITLE CENTERING, PILOTS CYCLIC STICK	
DWG NO. RB T103347-101-121	REV 2
MAT'L 6061	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH SEE -103
.X ± .1	ANGLES ± .5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL BELL 412
SCALE 1:2	DATE 6/12/2014
SHEET 6 OF 9	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

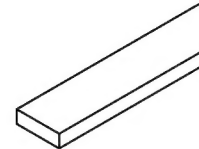
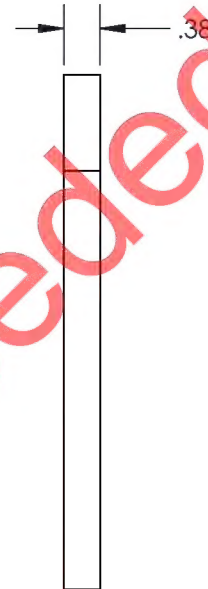
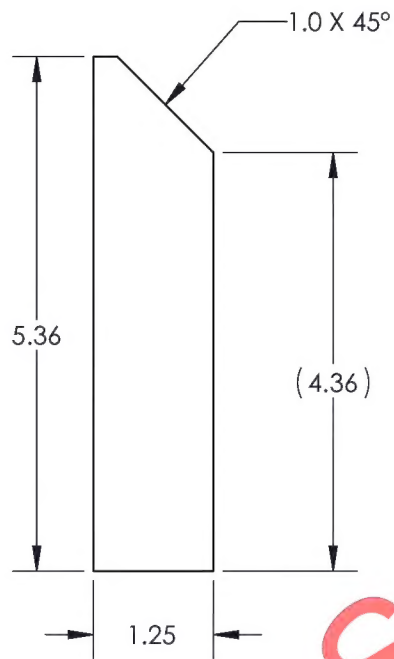


(-123)  
ARM

<b>DART AEROSPACE</b>	
TITLE CENTERING, PILOTS CYCLIC STICK	
DWG NO. RB T103347-101-123	REV 2
MAT'L 6061	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH SEE -103
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 412
SCALE 1:2	DATE 6/12/2014
SHEET 7 OF 9	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



Superceded

(-125)

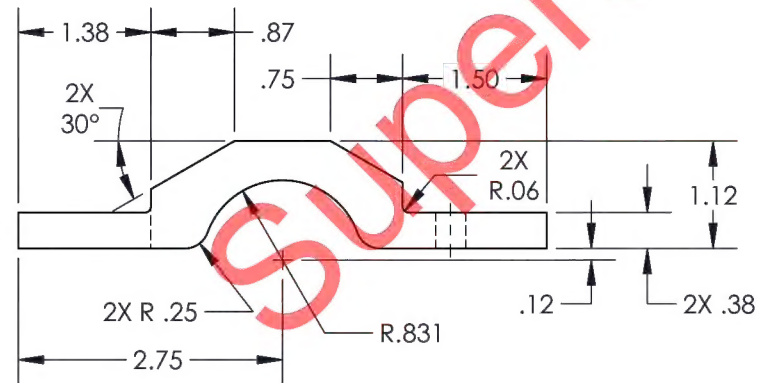
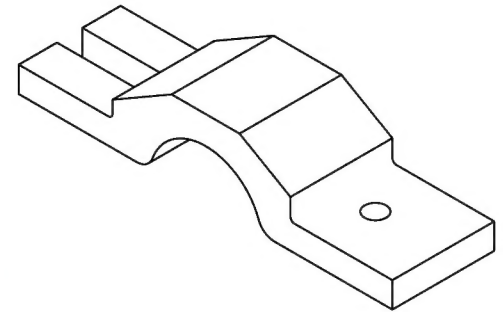
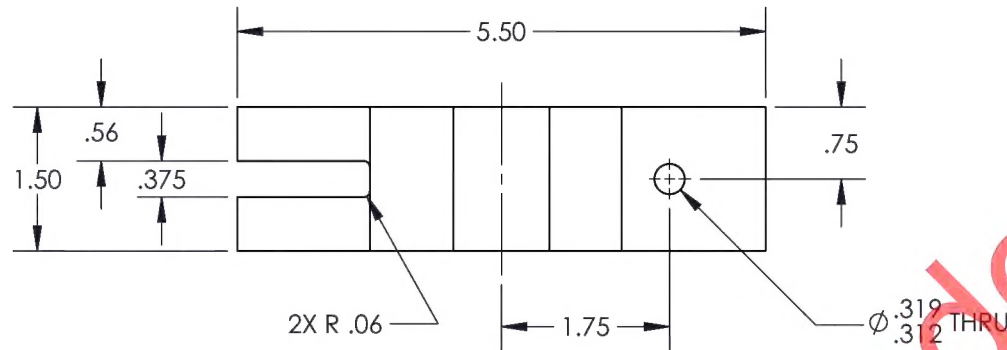
ARM

<b>DART</b> AEROSPACE	
TITLE CENTERING, PILOTS CYCLIC STICK	
DWG NO. RB T103347-101-125	REV 2
MAT'L 6061	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH SEE -103
.X ± .1	ANGLES ± .5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL BELL 412
SCALE 1:2	DATE 6/12/2014
SHEET 8 OF 9	



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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-127 CH'D DIM WAS 2X R.06 IS 2X R.13.	6/16/2014	DPD	RJC



(-127)

HEAD

<b>DART</b> AEROSPACE	
TITLE CENTERING, PILOTS CYCLIC STICK	
DWG NO. RB T103347-101-127	REV 2
MAT'L 6061	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH SEE -103
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 412
SCALE 1:2	DATE 6/12/2014
SHEET 9 OF 9	